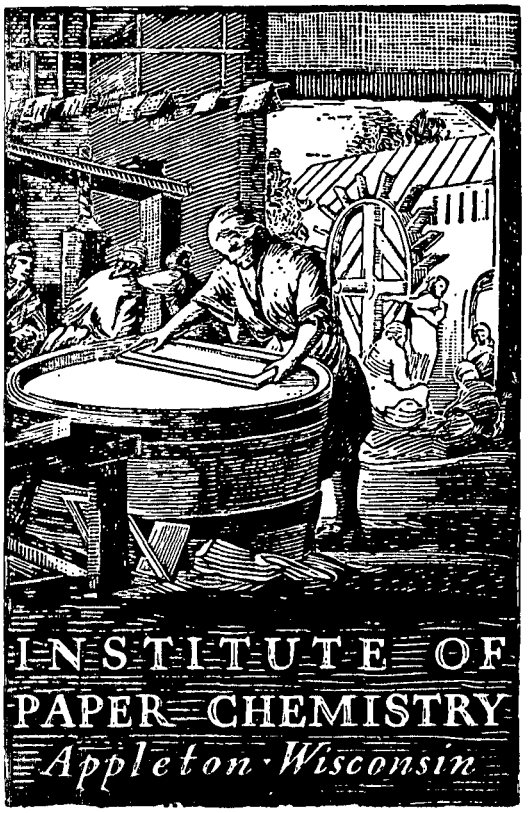


BASE-LINE

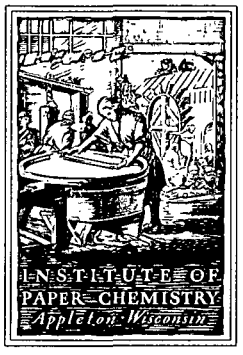
4th Quarter, 1981

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1981)

Project 2694-1

Report Eighty-Two
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

March 1, 1982



THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251

March 8, 1982

Project 2694-1

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

> Report Eighty-Two, Project 2694-1, a progress report entitled "Continuous Baseline Study (Modified); Mill Linerboard Data for October, November, December, 1981" dated March 1, 1982

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

Sincerely,

Roger H Van Eperen

Roger H. Van Eperen
Manager, Materials Testing Laboratory
Paper Materials & Systems Division

RHV/sb
Enclosure

GEORGIA-PACIFIC CORPORATION

Your machines are identified in this report by the following codes.

Toledo	Machine #1	H4

BASE-LINE
4th QUARTER, 1981

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1981)

Project 2694-1

Report Eighty-Two

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

March 1, 1982

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1981)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (SEPTEMBER-DECEMBER, 1981)

Linerboard Grade Wt.		Moisture Content			
		September	October	November	December
26 Lb	Max.[a]	6.0	6.3	6.2	6.3
	Min.[a]	2.9	3.2	2.9	3.6
	Av.[b]	4.7(16)	4.8(16)	4.8(19)	5.1(14)
33 Lb	Max.[a]	6.4	6.4	6.5	6.7
	Min.[a]	2.3	2.1	2.3	2.4
	Av.[b]	4.8(29)	4.8(22)	5.1(26)	4.9(24)
38 Lb	Max.[a]	6.2	6.2	6.6	6.3
	Min.[a]	3.6	4.6	4.6	4.6
	Av.[b]	5.3(21)	5.3(21)	5.5(18)	5.4(17)
42 Lb	Max.[a]	7.1	6.6	6.8	6.6
	Min.[a]	3.5	4.0	3.5	3.2
	Av.[b]	5.6(43)	5.6(37)	5.6(38)	5.5(40)
69 Lb	Max.[a]	7.6	7.7	7.4	7.1
	Min.[a]	4.1	4.9	4.2	4.2
	Av.[b]	6.2(26)	6.2(26)	6.1(26)	6.1(24)
90 Lb	Max.[a]	7.6	7.2	7.1	6.9
	Min.[a]	5.3	4.4	5.0	4.9
	Av.[b]	6.3(14)	6.3(12)	6.4(12)	6.2(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (SEPTEMBER-DECEMBER, 1981)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft^2			
		September	October	November	December
26 Lb	Max.[a]	27.8	28.4	28.5	28.0
	Min.[a]	25.8	25.9	26.1	25.6
	Av.[b]	26.5(16)	26.6(16)	26.6(19)	26.5(14)
33 Lb	Max.[a]	34.2	33.9	34.1	34.1
	Min.[a]	33.0	32.7	32.9	32.8
	Av.[b]	33.4(29)	33.3(22)	33.3(26)	33.4(24)
38 Lb	Max.[a]	39.6	39.5	39.6	39.1
	Min.[a]	37.8	37.3	37.9	38.0
	Av.[b]	38.4(21)	38.4(21)	38.5(18)	38.5(17)
42 Lb	Max.[a]	43.5	43.2	43.0	43.0
	Min.[a]	41.6	41.7	41.8	41.7
	Av.[b]	42.4(43)	42.4(37)	42.3(38)	42.3(40)
69 Lb	Max.[a]	70.9	70.9	70.9	70.2
	Min.[a]	68.1	68.7	68.6	68.3
	Av.[b]	69.5(26)	69.5(26)	69.5(26)	69.5(24)
90 Lb	Max.[a]	92.2	91.7	91.4	92.0
	Min.[a]	90.1	90.2	90.1	89.9
	Av.[b]	90.8(14)	90.8(12)	90.6(12)	90.8(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA (SEPTEMBER-DECEMBER, 1981)

Linerboard Grade Wt.		Caliper, pt. September	October	November	December
26 Lb	Max.[a]	8.7	8.5	8.3	8.5
	Min.[a]	7.1	7.2	7.1	7.3
	Av.[b]	7.9(16)	7.8(14)	7.7(18)	7.8(14)
33 Lb	Max.[a]	10.8	10.5	10.9	11.0
	Min.[a]	9.0	8.7	9.0	9.2
	Av.[b]	9.8(28)	9.8(20)	9.8(25)	9.8(24)
38 Lb	Max.[a]	13.3	12.3	11.8	11.3
	Min.[a]	9.9	10.1	9.9	10.0
	Av.[b]	11.0(19)	10.9(20)	10.8(16)	10.7(15)
42 Lb	Max.[a]	14.3	13.6	13.2	13.1
	Min.[a]	10.6	10.9	10.9	10.7
	Av.[b]	12.0(42)	12.0(36)	11.9(37)	11.8(39)
69 Lb	Max.[a]	22.6	21.9	21.5	20.8
	Min.[a]	17.3	17.9	17.9	17.5
	Av.[b]	19.6(26)	19.6(26)	19.6(26)	19.5(23)
90 Lb	Max.[a]	28.9	27.5	27.8	26.9
	Min.[a]	22.9	23.8	23.4	23.5
	Av.[b]	25.7(14)	25.7(12)	25.6(12)	25.4(10)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (SEPTEMBER-DECEMBER, 1981)

Linerboard Grade Wt.		Bursting Strength, psig			
		September	October	November	December
26 Lb	Max.[a]	93	86	88	79
	Min.[a]	63	64	63	64
	Av.[b]	72(16)	72(16)	72(19)	70(14)
33 Lb	Max.[a]	101	100	101	96
	Min.[a]	78	79	78	78
	Av.[b]	86(29)	86(22)	85(26)	86(24)
38 Lb	Max.[a]	104	111	104	109
	Min.[a]	89	91	90	90
	Av.[b]	97(21)	97(21)	96(18)	98(17)
42 Lb	Max.[a]	124	113	113	115
	Min.[a]	97	98	97	97
	Av.[b]	105(43)	104(37)	104(38)	105(40)
69 Lb	Max.[a]	182	151	157	151
	Min.[a]	134	132	135	116
	Av.[b]	144(26)	140(26)	142(26)	140(24)
90 Lb	Max.[a]	188	193	190	188
	Min.[a]	158	162	162	157
	Av.[b]	168(14)	171(12)	171(12)	170(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, and bursting strength tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, and bursting strength are compiled in the following tables.

Table Number	Description
I-II-III	Mill Test Averages on 26-lb Linerboard
IV-V-VI	Mill Test Averages on 33-lb Linerboard
VII-VIII-IX	Mill Test Averages on 38-lb Linerboard
X-XI-XII	Mill Test Averages on 42-lb Linerboard
XIII-XIV-XV	Mill Test Averages on 69-lb Linerboard
XVI-XVII-XVIII	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.3	6.4	98.4	134.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.1	7.2	7.2	100.0	90.0	64	64	100.0	90.1
X1		5.0				25.8				26.6				7.5				71		
M1	4.6	4.5	102.2	97.9	26.4	26.6	99.2	101.5	26.5	26.7	99.2	99.6	7.7	7.9	97.5	96.2	67	67	100.0	94.4
O1	6.0	5.5	109.1	127.6	26.1	26.2	99.6	100.4	26.6	26.8	99.2	100.0	7.6	8.0	95.0	95.0	64	66	97.0	90.1
Q1		2.2				25.2				26.7				7.9				71		
S1		6.2				26.2				26.4				7.7				62		
X1	3.7	3.7	100.0	78.7	25.9	26.0	99.6	99.6	26.0	26.1	99.6	97.7	7.9	8.0	98.8	98.8	76	74	102.7	107.0
B2	4.6	4.7	97.9	97.9	26.2	26.4	99.2	100.8	26.3	26.5	99.2	98.9	8.0	8.0	100.0	100.0	82	78	105.1	115.5
C2	4.4	4.4	100.0	93.6	25.5	25.7	99.2	98.1	26.4	26.6	99.2	99.2	7.8	7.8	100.0	97.5	75	69	108.7	105.6
D2	4.4	4.5	97.8	93.6	25.4	25.3	100.4	97.7	26.3	26.2	100.4	98.9	7.6	7.7	98.7	95.0	70	70	100.0	98.6
H2		5.2				25.8				26.6				8.6				80		
J2		4.2				26.1				27.1				8.6				71		
M2		4.4				26.3				27.2				7.6				68		
W2	5.0	4.8	104.2	106.4	26.1	26.2	99.6	100.4	26.2	26.3	99.6	98.5	7.5	7.7	97.4	93.8	68	72	94.4	95.8
Y2	3.2	2.9	110.3	68.1	27.0	26.8	100.7	103.8	28.4	28.2	100.7	106.8		7.3			71	72	98.6	100.0
D3		5.1				25.8				26.5				8.1				68		
E3		6.3				26.1				26.2				7.8				76		
H3	5.5	5.2	105.8	117.0	25.7	25.6	100.4	98.8	26.3	26.4	99.6	98.9	8.1	7.8	103.8	101.2	77	74	104.0	108.4
O3	4.8	5.4	88.9	102.1	27.9	26.3	106.1	107.3	28.0	26.4	106.1	105.3		7.9			72	68	105.9	101.4
W3	3.2	3.8	84.2	68.1	26.4	26.0	101.5	101.5	27.7	27.2	101.8	104.1	7.5	7.0	107.1	93.8	86	93	92.5	121.1
X3	5.4	5.3	101.9	114.9	26.0	26.0	100.0	100.0	26.7	26.7	100.0	100.4	8.5	8.9	95.5	106.2	67	65	103.1	94.4
B4		3.8				25.2				26.3				8.5				77		
L4	4.9	5.0	98.0	104.2	25.1	25.2	99.6	96.5	25.9	26.0	99.6	97.4	7.2	7.6	94.7	90.0	71	74	95.9	100.0
P4		6.1				26.0				26.1				7.4				62		
S4	5.3	5.4	98.1	112.8	25.3	25.8	98.1	97.3	26.0	26.5	98.1	97.7	8.3	8.5	97.6	103.8	72	75	96.0	101.4
T4	5.5	4.8	114.6	117.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.5	7.9	8.2	96.3	98.8	67	72	93.0	94.4
U4		5.6				26.0				26.6				8.2				71		
FKBG DATA																				
CUR. AV.	4.8				26.1				26.6				7.8				72			
CUM. AV.	4.7				26.0				26.6				8.0				71			
IND. *C	102.1				100.4				100.0				97.5				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.3			112.8	26.1			100.4	26.2			98.5	7.9			98.8	71			100.0
B1	6.2	6.4	96.9	131.9	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.1	7.1	7.2	98.6	88.8	65	64	101.6	91.5
K1	5.3	5.0	106.0	112.8	26.0	25.8	100.8	100.0	26.7	26.6	100.4	100.4	7.9	7.5	105.3	98.8	72	71	101.4	101.4
M1	4.4	4.6	95.6	93.6	26.4	26.6	99.2	101.5	26.5	26.7	99.2	99.6	7.7	7.8	98.7	96.2	66	67	98.5	93.0
O1	6.2	5.6	110.7	131.9	26.0	26.1	99.6	100.0	26.4	26.7	98.9	99.2	7.4	7.9	93.7	92.5	65	66	98.5	91.5
Q1		2.2				25.2				26.7				7.9				71		
S1		6.2				26.2				26.4				7.7				62		
X1	3.3	3.7	89.2	70.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.1	7.5	8.0	93.8	93.8	73	74	98.6	102.8
B2	4.8	4.7	102.1	102.1	26.2	26.2	100.0	100.8	26.3	26.3	100.0	98.9	7.9	7.9	100.0	98.8	83	79	105.1	116.9
C2	4.0	4.4	90.9	85.1	25.7	25.6	100.4	98.8	26.8	26.6	100.8	100.8	7.6	7.8	97.4	95.0	76	70	108.6	107.0
D2	4.5	4.5	100.0	95.7	25.4	25.3	100.4	97.7	26.3	26.2	100.4	98.9	8.0	7.7	103.9	100.0	68	70	97.1	95.8
H2		5.2				25.8				26.6				8.6				80		
J2		4.2				26.1				27.1				8.6				71		
M2		4.4				26.3				27.2				7.6				68		
N2	5.4	4.8	112.5	114.9	26.0	26.2	99.2	100.0	26.1	26.3	99.2	98.1	7.3	7.7	94.8	91.2	69	72	95.8	97.2
Y2	3.5	2.9	120.7	74.5	27.2	26.8	101.5	104.6	28.5	28.3	100.7	107.1	8.3	7.3	113.7	103.8	85	72	118.0	119.7
O3	5.1	5.1	100.0	108.5	25.9	25.8	100.4	99.6	26.7	26.5	100.8	100.4	7.9	8.1	97.5	98.8	72	68	105.9	101.4
E3		6.3				26.1				26.2				7.8				79		
H3	5.7	5.1	111.8	121.3	25.6	25.6	100.0	98.5	26.2	26.4	99.2	98.5	7.7	7.8	98.7	96.2	74	74	100.0	104.2
O3	5.4	5.1	105.9	114.9	28.2	27.1	104.0	108.5	28.3	27.2	104.0	106.4		7.9			69	70	98.6	97.2
W3	2.9	3.6	80.6	61.7	25.8	26.1	98.8	99.2	27.2	27.3	99.6	102.2	7.5	7.1	105.6	93.8	88	91	96.7	123.9
X3		5.4				26.0				26.6				8.8				65		
B4	3.4	4.0	85.0	72.3	25.2	25.3	99.6	96.9	26.4	26.4	100.0	99.2	8.1	8.4	96.4	101.2	74	78	94.9	104.2
L4	5.1	5.0	102.0	108.5	25.6	25.2	101.6	98.5	26.3	26.0	101.2	98.9	8.1	7.6	106.6	101.2	67	73	91.8	94.4
P4	5.9	6.0	98.3	125.5	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.1	7.5	7.4	101.4	93.8	63	62	101.6	88.7
S4	5.6	5.4	103.7	119.1	25.6	25.7	99.6	98.5	26.2	26.4	99.2	98.5	7.6	8.5	89.4	95.0	70	75	93.3	98.6
T4		4.9				26.1				26.2				8.2				72		
FKBE DATA																				
CUR. AV.	4.8				26.0				26.6				7.7				72			
CUM. AV.	4.7				26.0				26.6				8.0				71			
IND. *D	102.1				100.0				100.0				96.2				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.3				26.1				26.2				7.9				71		
B1		6.4				26.0				26.1				7.2				64		
K1	5.2	5.2	100.0	110.6	25.3	25.9	97.7	97.7	26.0	26.6	97.7	98.1	7.6	7.7	98.7	96.2	72	72	100.0	101.4
M1	4.4	4.6	95.6	93.6	26.5	26.5	100.0	102.3	26.6	26.6	100.0	100.4	7.5	7.8	96.2	94.9	66	67	98.5	93.3
O1	6.2	5.7	108.8	131.9	26.2	26.1	100.4	101.2	26.6	26.7	99.6	100.4	7.4	7.9	93.7	93.7	64	66	97.0	90.1
Q1		1.7				25.1				26.8				8.1				70		
S1	6.3	6.2	101.6	134.0	26.3	26.2	100.4	101.5	26.4	26.4	100.0	99.6	7.9	7.7	102.6	100.0	66	62	106.4	93.0
X1		3.7				26.0				26.1				8.0				75		
B2	4.6	4.7	97.9	97.9	26.2	26.2	100.0	101.2	26.3	26.3	100.0	99.2	8.0	7.9	101.3	101.3	79	80	98.8	111.3
C2	4.2	4.4	95.4	89.4	25.5	25.6	99.6	98.4	26.5	26.6	99.6	100.0	7.8	7.8	100.0	98.7	70	70	100.0	98.6
D2		4.5				25.3				26.2				7.7				70		
H2		5.2				25.8				26.6				8.6				80		
J2	4.8	3.4	141.2	102.1	25.9	25.9	100.0	100.0	26.7	27.1	98.5	100.8	7.7	8.6	89.5	97.5	77	73	105.5	108.4
M2		4.4				26.3				27.2				7.6				68		
N2	6.1	4.9	124.5	129.8	26.2	26.2	100.0	101.2	26.3	26.3	100.0	99.2	7.9	7.7	102.6	100.0	71	72	98.6	100.0
Y2	3.6	3.0	120.0	76.6	26.8	26.8	100.0	103.5	28.0	28.3	98.9	105.7	8.4	7.4	113.5	106.3	71	74	95.9	100.0
O3	4.9	5.1	96.1	104.2	25.8	25.7	100.4	99.6	26.6	26.5	100.4	100.4	7.9	8.0	98.8	100.0	72	69	104.3	101.4
E3		6.3				26.1				26.2				7.8				79		
H3	5.6	5.2	107.7	119.1	25.6	25.6	100.0	98.8	26.2	26.4	99.2	98.9	7.3	7.8	93.6	92.4	74	75	98.7	104.2
Q3		5.2				27.5				27.6				7.9				70		
W3		3.4				26.0				27.3				7.2				90		
X3	5.4	5.4	100.0	114.9	26.0	25.8	100.8	100.4	26.7	26.5	100.8	100.8	8.5	8.8	96.6	107.6	67	65	103.1	94.4
B4		3.9				25.3				26.4				8.4				77		
L4	4.8	5.0	96.0	102.1	24.8	25.2	98.4	95.8	25.6	26.0	98.5	96.6	7.5	7.6	98.7	94.9	67	73	91.8	94.4
P4		6.0				26.0				26.1				7.3				61		
S4	5.1	5.4	94.4	108.5	25.5	25.7	99.2	98.4	26.2	26.4	99.2	98.9	8.1	8.4	96.4	102.5	71	74	95.9	100.0
T4		4.9				26.1				26.2				8.2				72		
FKBG DATA																				
CUR. AV.	5.1				25.9				26.5				7.8				70			
CUM. AV.	4.7				25.9				26.5				7.9				71			
IND. *D	108.5				100.0				100.0				98.7				98.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1		6.5				33.0				33.1				9.6				88		
E1		2.7				32.3				34.1				10.0				84		
K1	5.6	5.0	112.0	116.7	32.6	32.3	100.9	100.0	33.4	33.3	100.3	100.0	9.7	9.6	101.0	99.0	90	89	101.1	105.9
M1	4.5	4.9	91.8	93.8	33.3	33.3	100.0	102.1	33.4	33.4	100.0	100.0	9.8	9.8	100.0	100.0	80	80	100.0	94.1
N1		5.5				33.4				33.7				10.2				86		
O1		5.5				33.1				33.9				10.1				80		
Q1		2.4				31.9				33.8				9.7				85		
S1	6.4	6.3	101.6	133.3	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.5	9.3	102.2	96.9	87	85	102.4	102.4
X1		5.6				32.8				33.0				10.1				88		
B2	4.9	5.0	98.0	102.1	33.1	33.1	100.0	101.5	33.2	33.2	100.0	99.4	9.8	9.8	100.0	100.0	100	91	109.9	117.6
C2	4.7	5.0	94.0	97.9	32.2	32.5	99.1	98.8	33.3	33.5	99.4	99.7	10.0	9.8	102.0	102.3	90	85	105.9	105.9
D2	5.5	5.2	105.8	114.6	32.5	32.3	100.6	99.7	33.3	33.2	100.3	99.7	9.6	9.7	99.0	98.9	81	84	96.4	95.3
H2		5.4				32.3				33.2				10.0				94		
J2		4.5				32.5				33.7				9.4				90		
M2	5.1	5.0	102.0	106.2	32.7	32.6	100.3	100.3	33.6	33.6	100.0	100.6	9.4	9.3	101.1	95.9	80	81	98.8	94.1
P2	2.1	2.5	84.0	43.8	31.6	32.8	96.3	96.9	33.6	34.7	96.8	100.6	10.0	10.2	98.0	102.0	80	81	98.8	94.1
R2	5.2	5.1	102.0	108.3	33.4	33.1	100.9	102.4	33.6	33.3	100.9	100.6	9.7	9.9	98.0	99.0	86	85	101.2	101.2
T2	4.0	3.4	117.6	83.3	32.2	33.0	97.6	98.8	33.5	34.5	97.1	100.3	9.9	8.8	112.5	101.0	85	85	100.0	100.0
D3	5.1	5.3	96.2	106.2	32.7	32.7	100.0	100.3	33.6	33.6	100.0	100.6	9.8	10.2	96.1	100.0	79	78	101.3	92.9
E3		6.1				33.1				33.2				10.1				90		
F3	2.4	2.1	114.3	50.0	32.0	32.2	99.4	98.2	33.9	34.2	99.1	101.5	10.3	10.2	101.0	105.1	83	84	98.8	97.6
H3		5.5				32.7				33.5				10.0				89		
O3	4.6	5.1	90.2	95.8	33.3	33.5	99.4	102.1	33.4	33.6	99.4	100.0		9.1			89	91	97.8	104.7
R3		5.0				32.6				33.6				9.4				84		
V3	6.0	6.0	100.0	125.0	33.0	33.1	99.7	101.2	33.1	33.2	99.7	99.1					83	84	98.8	97.6
W3	4.1	4.6	89.1	85.4	32.3	32.6	99.1	99.1	33.6	33.8	99.4	100.6	8.7	8.8	98.9	88.8	97	102	95.1	114.1
X3	5.4	5.3	101.9	112.5	32.3	32.2	100.3	99.1	33.1	33.1	100.0	99.1	10.5	10.6	99.0	107.1	79	76	103.9	92.9
Z3		4.8				32.5				33.6				9.9				86		
B4	5.2	5.1	102.0	108.3	31.8	32.4	98.1	97.5	32.7	33.4	97.9	97.9	10.4	11.0	94.5	106.1	89	92	96.7	104.7
H4	3.1	3.4	91.2	64.6	33.3	32.4	102.8	102.1	33.6	32.7	102.8	100.6	10.4	9.7	107.2	106.1	82	82	100.0	96.5
L4	5.2	5.5	94.5	108.3	31.9	32.0	99.7	97.8	32.8	32.8	100.0	98.2	9.4	9.5	98.9	95.9	86	88	97.7	101.2
P4		6.4				33.0				33.1				9.8				87		
S4	5.2	5.5	94.5	108.3	31.8	32.8	97.0	97.5	32.7	33.6	97.3	97.9	9.3	9.9	93.9	94.9	95	93	102.2	111.8
T4	6.0	5.4	111.1	125.0	33.0	33.1	99.7	101.2	33.1	33.2	99.7	99.1	10.0	9.6	104.2	102.0	80	89	89.9	94.1
U4	6.3	6.1	103.3	131.2	32.5	32.5	100.0	99.7	33.0	33.1	99.7	98.8	10.0	9.7	103.1	102.0	82	82	100.0	96.5
FKBG DATA																				
CUR. AV.	4.8				32.6				33.3				9.8				86			
CUM. AV.	4.8				32.6				33.4				9.8				85			
IND. *C	100.0				100.0				99.7				100.0				101.2			

NOTE- NOTES A, B, C, AND C, ARE GIVEN IN APPENDIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.2			129.2	33.1			101.5	33.2			99.4	9.9			101.0	80			93.0
B1	6.4	6.5	98.5	133.3	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.7	9.6	101.0	99.0	86	88	97.7	100.0
E1	2.8	2.7	103.7	58.3	32.2	32.3	99.7	98.8	33.9	34.1	99.4	101.5	9.1	10.0	91.0	92.8	85	84	101.2	98.8
K1	6.0	5.1	117.6	125.0	32.7	32.4	100.9	100.3	33.4	33.3	100.3	100.0	9.9	9.6	103.1	101.0	88	90	97.8	102.3
M1		4.9				33.3				33.4				9.8				80		
N1		5.6				33.4				33.7				10.3				87		
O1	6.3	5.5	114.5	131.2	32.4	33.1	97.9	99.4	32.9	33.9	97.0	98.5	9.6	10.1	95.0	98.0	79	80	98.8	91.9
Q1		2.3				31.9				33.8				9.7				85		
S1	6.5	6.3	103.2	135.4	33.1	33.0	100.3	101.5	33.2	33.1	100.3	99.4	9.3	9.3	100.0	94.9	91	85	107.0	105.8
X1		5.9				32.8				32.9				10.2				88		
B2	4.9	5.0	98.0	102.1	33.1	33.1	100.0	101.5	33.2	33.2	100.0	99.4	9.8	9.8	100.0	100.0	95	92	103.3	110.5
C2	4.6	4.9	93.9	95.8	32.3	32.4	99.7	99.1	33.4	33.4	100.0	100.0	9.8	9.8	100.0	100.0	91	86	105.8	105.8
D2	5.4	5.3	101.9	112.5	32.4	32.4	100.0	99.4	33.2	33.2	100.0	99.4	9.8	9.7	101.0	100.0	80	84	95.2	93.0
H2		5.4				32.4				33.2				10.2				95		
J2	4.6	4.6	100.0	95.8	32.3	32.5	99.4	99.1	33.4	33.6	99.4	100.0	9.2	9.4	97.9	93.9	86	90	95.6	100.0
M2	5.2	5.0	104.0	108.3	32.5	32.6	99.7	99.7	33.4	33.6	99.4	100.0	9.3	9.2	101.1	94.9	80	81	98.8	93.0
P2		2.5				32.0				33.9				10.2				82		
W2	5.8	5.1	113.7	120.8	33.1	33.1	100.0	101.5	33.3	33.3	100.0	99.7	9.5	9.8	96.9	96.9	81	84	96.4	94.2
Y2	4.0	3.4	117.6	83.3	32.4	32.8	98.8	99.4	33.7	34.4	98.0	100.9	9.9	8.9	111.2	101.0	87	86	101.2	101.2
O3	5.0	5.3	94.3	104.2	32.6	32.6	100.0	100.0	33.6	33.5	100.3	100.6	9.8	10.1	97.0	100.0	80	78	102.6	93.0
E3		6.1				33.2				33.3				10.3				86		
F3	2.3	2.2	104.5	47.9	32.2	32.2	100.0	98.8	34.1	34.1	100.0	102.1	10.4	10.3	101.0	106.1	84	84	100.0	97.7
H3	5.9	5.5	107.3	122.9	32.5	32.7	99.4	99.7	33.2	33.5	99.1	99.4	9.3	10.0	93.0	96.9	83	89	93.2	96.5
O3	5.5	5.0	110.0	114.6	33.5	33.4	100.3	102.8	33.6	33.5	100.3	100.6	9.8	9.1	107.7	100.0	86	90	95.6	100.0
R3		5.0				32.6				33.6				9.4				84		
V3	5.9	6.0	98.3	122.9	33.1	33.1	100.0	101.5	33.2	33.2	100.0	99.4					88	84	104.8	102.3
W3	3.4	4.4	77.3	70.8	32.3	32.5	99.4	99.1	33.9	33.7	100.6	101.5	9.0	8.8	102.3	91.8	101	101	100.0	117.4
X3	5.5	5.3	103.8	114.6	32.4	32.1	100.9	99.4	33.2	33.0	100.6	99.4	10.3	10.5	98.1	105.1	79	77	102.6	91.9
B4	5.2	5.1	102.0	108.3	32.5	32.4	100.3	99.7	33.4	33.3	100.3	100.0	10.9	10.9	100.0	111.2	91	91	100.0	105.8
H4	3.1	3.4	91.2	64.6	32.6	32.4	100.6	100.0	32.9	32.7	100.6	98.5	10.1	9.8	103.1	103.1	78	81	96.3	90.7
L4	5.2	5.5	94.5	108.3	32.3	32.0	100.9	99.1	33.2	32.8	101.2	99.4	10.2	9.5	107.4	104.1	82	88	93.2	95.3
P4		6.4				33.0				33.2				10.0				85		
S4	5.4	5.5	98.2	112.5	32.4	32.6	99.4	99.4	33.2	33.5	99.1	99.4	9.6	9.8	98.0	98.0	88	94	93.6	102.3
T4	5.7	5.4	105.6	118.8	33.0	33.1	99.7	101.2	33.1	33.2	99.7	99.1	9.9	9.7	102.1	101.0	82	88	93.2	95.3
U4	6.2	6.1	101.6	129.2	32.5	32.5	100.0	99.7	33.1	33.1	100.0	99.1	10.0	9.7	103.1	102.0	83	82	101.2	96.5
FKBG DATA																				
CUR. AV.	5.1				32.6				33.3				9.8				85			
CUM. AV.	4.8				32.6				33.4				9.8				86			
IND. *C	106.2				100.0				99.7				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A Lb / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.9	6.2	95.2	122.9	32.9	33.1	99.4	100.9	33.0	33.2	99.4	98.8	9.7	9.9	98.0	99.0	86	80	107.5	100.0
B1	6.7	6.4	104.7	139.6	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.2	9.6	95.8	93.9	90	87	103.4	104.6
E1	2.4	2.8	85.7	50.0	32.1	32.3	99.4	98.5	34.0	34.1	99.7	101.8	9.5	9.9	96.0	96.9	91	84	108.3	105.8
K1	5.1	5.2	98.1	106.2	32.2	32.4	99.4	98.8	33.1	33.3	99.4	99.1	9.6	9.7	99.0	98.0	88	89	98.9	102.3
M1	4.9	4.9	100.0	102.1	33.1	33.3	99.4	101.5	33.2	33.4	99.4	99.4	9.6	9.8	98.0	98.0	81	80	101.2	94.2
N1		5.6				33.4				33.7				10.3				87		
O1	6.3	5.6	112.5	131.2	32.8	33.0	99.4	100.6	33.3	33.8	98.5	99.7	9.3	10.1	92.1	94.9	79	80	98.8	91.9
Q1		2.2				31.9				33.8				9.8				85		
S1	6.4	6.3	101.6	133.3	33.1	33.0	100.3	101.5	33.2	33.2	100.0	99.4	9.3	9.3	100.0	94.9	88	86	102.3	102.3
X1		5.9				32.8				32.9				10.2				88		
B2	5.0	5.0	100.0	104.2	33.2	33.1	100.3	101.8	33.3	33.2	100.3	99.7	9.9	9.8	101.0	101.0	93	93	100.0	108.1
C2	4.6	4.9	93.9	95.8	32.5	32.4	100.3	99.7	33.6	33.4	100.6	100.6	9.6	9.8	98.0	98.0	88	86	102.3	102.3
D2	5.3	5.3	100.0	110.4	32.7	32.4	100.9	100.3	33.6	33.2	101.2	100.6	9.9	9.7	102.1	101.0	79	83	95.2	91.9
H2		5.4				32.4				33.2				10.2				95		
J2		4.7				32.5				33.6				9.3				91		
M2	5.3	5.0	106.0	110.4	32.6	32.6	100.0	100.0	33.5	33.6	99.7	100.3	9.3	9.2	101.1	94.9	85	80	106.2	98.8
P2	2.4	2.5	96.0	50.0	32.2	32.0	100.6	98.8	34.1	33.9	100.6	102.1	10.4	10.2	102.0	106.1	89	82	108.5	103.5
W2	5.9	5.2	113.5	122.9	33.1	33.1	100.0	101.5	33.3	33.3	100.0	99.7	9.6	9.8	98.0	98.0	87	84	103.6	101.2
Y2	4.0	3.5	114.3	83.3	32.4	32.8	98.8	99.4	33.7	34.3	98.2	100.9	10.4	9.0	115.6	106.1	81	86	94.2	94.2
D3	5.0	5.3	94.3	104.2	32.8	32.6	100.6	100.6	33.8	33.5	100.9	101.2	9.8	10.1	97.0	100.0	80	78	102.6	93.0
E3		6.1				33.2				33.3				10.3				86		
F3	2.4	2.3	104.3	50.0	32.1	32.2	99.7	98.5	34.0	34.2	99.4	101.8	10.4	10.4	100.0	106.1	88	84	104.8	102.3
H3	6.2	5.5	112.7	129.2	32.4	32.7	99.1	99.4	33.0	33.5	98.5	98.8	9.9	9.8	101.0	101.0	88	89	98.9	102.3
O3		5.1				33.4				33.5				9.3				90		
R3		5.0				32.6				33.6				9.4				84		
V3		6.0				33.1				33.2								84		
W3		4.2				32.4				33.8				8.8				101		
X3	5.1	5.3	96.2	106.2	32.2	32.2	100.0	98.8	33.1	33.0	100.3	99.1	10.5	10.5	100.0	107.1	78	77	101.3	90.7
B4	5.3	5.1	103.9	110.4	32.6	32.4	100.6	100.0	33.5	33.3	100.6	100.3	11.0	10.9	100.9	112.2	96	91	105.5	111.6
H4	2.7	3.3	81.8	56.2	32.6	32.5	100.3	100.0	32.9	32.8	100.3	98.5	10.1	9.8	103.1	103.1	83	81	102.5	96.5
L4	5.0	5.4	92.6	104.2	31.8	32.0	99.4	97.5	32.8	32.8	100.0	98.2	10.0	9.6	104.2	102.0	84	87	96.6	97.7
P4		6.4				33.0				33.1				10.5				84		
S4	4.6	5.4	85.2	95.8	32.4	32.6	99.4	99.4	33.5	33.4	100.3	100.3	9.4	9.8	95.9	95.9	96	94	102.1	111.6
T4	5.6	5.4	103.7	116.7	33.0	33.1	99.7	101.2	33.1	33.2	99.7	99.1	9.6	9.7	99.0	98.0	89	87	102.3	103.5
U4	6.0	6.2	96.8	125.0	32.5	32.5	100.0	99.7	33.2	33.1	100.3	99.4	9.9	9.8	101.0	101.0	83	82	101.2	96.5
FRBG DATA																				
CUR. AV.	4.9				32.6				33.4				9.8				86			
CUM. AV.	4.8				32.6				33.4				9.8				86			
IND. *D	102.1				100.0				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1		4.2				37.6				39.1				11.2				98		
K1	5.6	5.2	107.7	103.7	37.7	37.4	100.8	99.5	38.6	38.4	100.5	100.2	11.4	11.2	101.8	104.6	96	99	97.0	98.0
M1	4.7	5.3	88.7	87.0	38.0	39.3	96.7	100.3	38.1	39.4	96.7	99.0	10.4	11.1	93.7	95.4	94	94	100.0	95.9
N1	5.6	5.6	100.0	103.7	38.3	38.3	100.0	101.0	38.6	38.6	100.0	100.2	11.6	11.1	104.5	106.4	97	98	99.0	99.0
Q1		2.4				36.4				38.6				10.6				98		
X1	5.7	5.3	107.5	105.6	37.9	38.0	99.7	100.0	38.0	38.1	99.7	98.7	11.5	11.2	102.7	105.5	98	101	97.0	100.0
B2	5.0	5.2	96.2	92.6	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.5	11.3	11.2	100.9	103.7	105	99	106.1	107.1
C2	5.3	5.4	98.1	98.1	37.4	37.5	99.7	98.7	38.4	38.5	99.7	99.7	11.4	11.2	101.8	104.6	97	97	100.0	99.0
H2		5.3				37.0				38.0				11.6				106		
I2	4.7	5.2	90.4	87.0	39.4	38.5	102.3	104.0	39.5	38.6	102.3	102.6	10.7	10.8	99.1	98.2	94	98	95.9	95.9
J2	4.8	4.9	98.0	88.9	37.0	37.7	98.1	97.6	38.2	38.9	98.2	99.2	10.3	10.6	97.2	94.5	110	102	107.8	112.2
M2		4.9				37.6				38.8				11.2				94		
O2		5.6				38.3				38.6				10.3				95		
S2		5.0				37.3				38.5				10.5				97		
W2	5.7	5.5	103.6	105.6	37.9	38.0	99.7	100.0	38.1	38.2	99.7	99.0	10.7	10.9	98.2	98.2	96	96	100.0	98.0
Y2	4.9	4.6	106.5	90.7	37.5	38.0	98.7	98.9	38.7	39.3	98.5	100.5	10.5	9.7	108.2	96.3	95	94	101.1	96.9
O3	5.2	5.3	98.1	96.3	37.7	37.6	100.3	99.5	38.8	38.6	100.5	100.8	10.9	11.3	96.5	100.0	91	92	98.9	92.8
F3	4.6			85.2	37.4			98.7	38.7			100.5	12.3			112.8	95			96.9
G3	4.9	5.3	92.4	90.7	38.9	39.2	99.2	102.6	39.0	39.4	99.0	101.3	10.9	11.0	99.1	100.0	94	95	98.9	95.9
I3		5.8				38.3				38.4				12.3				98		
O3	5.6	5.5	101.8	103.7	38.4	38.3	100.3	101.3	38.5	38.4	100.3	100.0	10.6	10.2	103.9	97.2	95	99	96.0	96.9
R3		5.7				37.6				38.5				10.2				100		
U3		4.5				38.2				39.6								94		
W3	5.9	6.0	98.3	109.2	38.2	38.2	100.0	100.8	38.3	38.2	100.3	99.5					91	92	98.9	92.8
W3	5.8	5.8	100.0	107.4	37.6	37.6	100.0	99.2	38.4	38.5	99.7	99.7	10.1	10.2	99.0	92.7	105	109	96.3	107.1
Z3	5.2	5.3	98.1	96.3	37.5	37.4	100.3	98.9	38.6	38.4	100.5	100.2	10.6	10.5	101.0	97.2	99	98	101.0	101.0
B4	5.0	6.1	82.0	92.6	37.3	37.6	99.2	98.4	38.4	38.3	100.3	99.7	10.6	11.0	96.4	97.2	111	104	106.7	113.3
D4	5.7	5.7	100.0	105.6	36.5	37.9	96.3	96.3	37.3	38.8	96.1	96.9	10.1	11.0	91.8	92.7	93	96	96.9	94.9
L4	6.1	5.9	103.4	113.0	36.9	37.0	99.7	97.4	37.6	37.8	99.5	97.7	11.6	11.7	99.1	106.4	95	98	96.9	96.9
S4		5.6				37.4				38.4				11.5				103		
T4	6.2	6.0	103.3	114.8	38.1	38.1	100.0	100.5	38.2	38.2	100.0	99.2	10.9	11.0	99.1	100.0	91	98	92.8	92.8
FKB6 DATA																				
CUR. AV.	5.3				37.8				38.4				10.9				97			
CUM. AV.	5.4				37.9				38.5				10.9				98			
IND. *D	98.1				99.7				99.7				100.0				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.6			122.2	38.0			100.3	38.1			99.0	10.9			99.1	91			92.8
E1		4.2				37.6				39.1				11.2				98		
K1	5.8	5.3	109.4	107.4	37.7	37.5	100.5	99.5	38.5	38.5	100.0	100.0	11.2	11.2	100.0	101.8	97	98	99.0	99.0
M1	5.3	5.2	101.9	98.1	38.0	38.9	97.7	100.3	38.1	39.0	97.7	99.0	10.7	11.0	97.3	97.3	95	94	101.1	96.9
N1		5.6				38.3				38.6				11.2				98		
X1	6.0	5.4	111.1	111.1	38.1	38.0	100.3	100.5	38.2	38.1	100.3	99.2	10.8	11.2	96.4	98.2	98	101	97.0	100.0
B2	5.2	5.2	100.0	96.3	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.5	11.1	11.2	99.1	100.9	103	100	103.0	105.1
C2	5.0	5.4	92.6	92.6	37.3	37.5	99.5	98.4	38.4	38.5	99.7	99.7	11.3	11.3	100.0	102.7	100	96	104.2	102.0
H2		5.2				37.1				38.1				11.8				105		
I2		5.2				38.6				38.7				10.8				97		
J2	4.6	4.9	93.9	85.2	37.1	37.5	98.9	97.9	38.4	38.7	99.2	99.7	10.1	10.6	95.3	91.8	104	103	101.0	106.1
S2		5.0				37.3				38.5				10.5				97		
W2	6.1	5.6	108.9	113.0	38.2	38.0	100.5	100.8	38.4	38.2	100.5	99.7	10.6	10.8	98.1	96.4	95	95	100.0	96.9
Y2	4.8	4.7	102.1	88.9	37.1	37.9	97.9	97.9	38.3	39.2	97.7	99.5	10.5	9.8	107.1	95.4	96	94	102.1	98.0
D3	5.4	5.3	101.9	100.0	37.5	37.6	99.7	98.9	38.5	38.6	99.7	100.0	11.1	11.3	98.2	100.9	90	92	97.8	91.8
F3	4.8	4.6	104.3	88.9	37.9	37.4	101.3	100.0	39.2	38.7	101.3	101.8	11.8	12.3	95.9	107.3	96	95	101.0	98.0
G3		5.3				39.2				39.3				10.9				95		
I3		5.8				38.3				38.4				12.3				98		
O3	5.6	5.5	101.8	103.7	38.8	38.3	101.3	102.4	38.9	38.4	101.3	101.0	10.9	10.3	105.8	99.1	95	98	96.9	96.9
R3		5.7				37.6				38.5				10.2				100		
U3	5.3	4.5	117.8	98.1	38.6	38.2	101.0	101.8	39.6	39.6	100.0	102.8					93	94	98.9	94.9
W3	5.9	6.0	98.3	109.2	38.1	38.2	99.7	100.5	38.2	38.2	100.0	99.2					91	92	98.9	92.8
H3	5.2	5.8	89.6	96.3	37.6	37.6	100.0	99.2	38.7	38.5	100.5	100.5	9.9	10.1	98.0	90.0	103	109	94.5	105.1
Z3	5.7	5.3	107.5	105.6	37.6	37.4	100.5	99.2	38.5	38.4	100.3	100.0	10.5	10.5	100.0	95.4	96	99	97.0	98.0
B4		6.0				37.6				38.3				11.0				104		
D4	5.7	5.7	100.0	105.6	37.0	37.7	98.1	97.6	37.9	38.6	98.2	98.4	10.4	10.9	95.4	94.5	93	96	96.9	94.9
L4		5.9				37.0				37.8				11.7				98		
S4		5.6				37.4				38.4				11.5				103		
T4	5.9	6.0	98.3	109.2	38.1	38.1	100.0	100.5	38.2	38.2	100.0	99.2	10.7	11.0	97.3	97.3	90	97	92.8	91.8

FKBG DATA

CUR. AV.	5.5				37.8				38.5				10.8				96			
CUM. AV.	5.4				37.9				38.5				11.0				98			
IND. *C	101.8				99.7				100.0				98.2				98.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.3	6.6	95.4	116.7	37.9	38.0	99.7	100.0	38.0	38.1	99.7	99.0	10.6	10.9	97.2	97.2	97	91	106.6	99.0
E1		4.2				37.6				39.1				11.2				98		
K1	4.9	5.3	92.4	90.7	37.2	37.4	99.5	98.2	38.4	38.4	100.0	100.0	10.9	11.2	97.3	100.0	98	98	100.0	100.0
M1	5.0	5.4	92.6	92.6	39.0	38.5	101.3	102.9	39.1	38.6	101.3	101.8	10.8	10.7	100.9	99.1	96	94	102.1	98.0
N1		5.6				38.3				38.6				11.2				98		
X1		5.4				38.0				38.1				11.2				101		
B2	5.2	5.2	100.0	96.3	38.4	38.2	100.5	101.3	38.5	38.3	100.5	100.3	10.8	11.2	96.4	99.1	105	101	104.0	107.1
C2	5.0	5.3	94.3	92.6	37.6	37.4	100.5	99.2	38.7	38.4	100.8	100.8	11.1	11.3	98.2	101.8	97	97	100.0	99.0
H2		5.2				37.1				38.1				11.8				105		
I2	5.5	5.2	105.8	101.8	38.9	38.6	100.8	102.6	39.0	38.7	100.8	101.6	10.4	10.9	95.4	95.4	95	96	99.0	96.9
J2	4.8	4.8	100.0	88.9	37.0	37.4	98.9	97.6	38.2	38.6	99.0	99.5	10.3	10.5	98.1	94.5	108	104	103.8	110.2
S2		5.0				37.3				38.5				10.5				97		
W2	6.3	5.7	110.5	116.7	38.0	38.0	100.0	100.3	38.2	38.2	100.0	99.5	11.2	10.8	103.7	102.8	95	95	100.0	96.9
Y2	4.8	4.8	100.0	88.9	37.3	37.8	98.7	98.4	38.5	39.0	98.7	100.3	10.6	9.8	108.2	97.2	90	94	95.7	91.8
D3	5.2	5.3	98.1	96.3	37.6	37.5	100.3	99.2	38.7	38.6	100.2	100.8	11.3	11.3	100.0	103.7	91	92	98.9	92.8
F3		4.7				37.6				39.0				12.0				96		
G3		5.3				39.2				39.2				10.9				95		
I3		5.8				38.3				38.4				12.3				98		
O3	5.7	5.5	103.6	105.6	38.6	38.4	100.5	101.8	38.7	38.5	100.5	100.8		10.3			99	98	101.0	101.0
R3		5.7				37.6				38.5				10.2				100		
U3		4.9				38.4				39.6								94		
V3	6.0	6.0	100.0	111.1	38.0	38.1	99.7	100.3	38.1	38.2	99.7	99.2					93	92	101.1	94.9
W3	4.6	5.7	80.7	85.2	37.8	37.6	100.5	99.7	39.1	38.5	101.6	101.8	10.0	10.1	99.0	91.7	109	108	100.9	111.2
Z3	5.2	5.3	98.1	96.3	37.4	37.4	100.0	98.7	38.4	38.4	100.0	100.0	10.3	10.6	97.2	94.5	98	99	99.0	100.0
B4	5.4	6.1	88.5	100.0	37.6	37.6	100.0	99.2	38.6	38.2	101.0	100.5	10.9	11.0	99.1	100.0	108	104	103.8	110.2
D4	5.5	5.7	96.5	101.8	37.3	37.6	99.2	98.4	38.2	38.5	99.2	99.5	10.7	10.8	99.1	98.2	93	95	97.9	94.9
L4		5.9				37.0				37.8				11.7				98		
S4		5.6				37.4				38.4				11.5				103		
T4	5.6	6.0	93.3	103.7	38.2	38.1	100.3	100.8	38.3	38.2	100.3	99.7	10.5	11.0	95.4	96.3	103	96	107.3	105.1
FKBG DATA																				
CUR. AV.	5.4				37.9				38.5				10.7				98			
CUM. AV.	5.4				37.9				38.4				10.9				98			
IND. *D	100.0				100.0				100.3				98.2				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1		7.0				42.0				42.1				11.4				106		
D1		5.2				42.5				42.9				11.6				108		
E1	4.5	4.8	93.8	81.8	41.3	41.2	100.2	99.0	42.8	42.5	100.7	100.9	11.7	12.4	94.4	97.5	103	105	98.1	98.1
I1		6.4				42.3				42.7				11.7				119		
K1	6.0	5.5	109.1	109.1	41.5	41.4	100.2	99.5	42.3	42.5	99.5	99.8	12.3	12.2	100.8	102.5	103	106	97.2	98.1
M1	5.1	5.4	94.4	92.7	42.4	42.5	99.8	101.7	42.5	42.6	99.8	100.2	11.9	12.1	98.3	99.2	103	103	100.0	98.1
N1	5.6	5.8	96.6	101.8	42.2	42.3	99.8	101.2	42.6	42.7	99.8	100.5	12.2	12.0	101.7	101.7	107	108	99.1	101.9
P1	5.0	5.4	92.6	90.9	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	11.8	12.0	98.3	98.3	107	105	101.9	101.9
Q1		3.3				40.9				42.9				11.6				108		
S1	6.6	6.5	101.5	120.0	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.3	11.4	99.1	94.2	105	103	101.9	100.0
X1		5.9				41.9				42.0				12.3				108		
B2	5.5	5.5	100.0	100.0	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.6	12.4	101.6	105.0	108	106	101.9	102.8
C2	5.5	5.6	98.2	100.0	41.5	41.4	100.2	99.5	42.5	42.4	100.2	100.2	12.4	12.3	100.8	103.3	106	105	101.0	101.0
D2	5.9	5.8	101.7	107.3	41.3	41.4	99.8	99.0	42.2	42.3	99.8	99.5	12.3	12.0	102.5	102.5	102	102	100.0	97.1
G2	4.8	4.8	100.0	87.3	41.0	40.8	100.5	98.3	42.3	42.1	100.5	99.8	11.7	12.3	95.1	97.5	110	112	98.2	104.8
H2		5.3				41.1				42.3				12.8				108		
I2	5.5	5.3	103.8	100.0	42.2	42.2	100.0	101.2	42.3	42.3	100.0	99.8	11.8	12.0	98.3	98.3	105	104	101.0	100.0
J2	4.9	4.9	100.0	89.1	41.0	41.4	99.0	98.3	42.3	42.7	99.1	99.8	11.8	11.8	100.0	98.3	110	109	100.9	104.8
L2		5.0				41.6				42.8				11.7				110		
M2	5.7	5.5	103.6	103.6	41.5	41.5	100.0	99.5	42.5	42.5	100.0	100.2	12.1	11.8	102.5	100.8	100	100	100.0	95.2
O2		6.0				42.2				42.6				11.7				103		
P2	5.2	5.4	96.3	94.5	41.3	41.5	99.5	99.0	42.5	42.6	99.8	100.2	12.6	12.2	103.3	105.0	101	103	98.0	96.2
S2	5.5	5.8	94.8	100.0	41.7	41.7	100.0	100.0	42.7	42.6	100.2	100.7	12.3	12.1	101.6	102.5	107	108	99.1	101.9
W2	5.6	5.7	98.2	101.8	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	11.9	11.8	100.8	99.2	103	105	98.1	98.1
Y2	5.5	5.2	105.8	100.0	41.3	41.8	98.8	99.0	42.3	43.0	98.4	99.8	11.1	10.5	105.7	92.5	104	104	100.0	99.0
B3	5.6	5.2	107.7	101.8	41.2	41.4	99.5	98.8	42.2	42.7	98.8	99.5	11.7	11.8	99.2	97.5	113	108	104.6	107.6
C3	4.6	4.8	95.8	83.6	41.7	41.5	100.5	100.0	43.2	42.9	100.7	101.9	10.9	11.3	96.5	90.8	108	105	102.8	102.8
D3	5.3	5.4	98.1	96.4	41.6	41.6	100.0	99.8	42.7	42.7	100.0	100.7	12.1	12.5	96.8	100.8	100	100	100.0	95.2
F3	5.3	5.6	94.6	96.4	41.4	41.5	99.8	99.3	42.5	42.5	100.0	100.2	13.6	13.2	103.0	113.3	101	101	100.0	96.2
G3	5.5	5.5	100.0	100.0	42.5	42.6	99.8	101.9	42.6	42.8	99.5	100.5	11.9	11.9	100.0	99.2	103	104	99.0	98.1
I3		5.9				42.1				42.2				13.4				102		
O3	6.0	5.8	103.4	109.1	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.8	11.5	102.6	98.3	106	107	99.1	101.0
R3	5.9	5.9	100.0	107.3	41.5	41.5	100.0	99.5	42.4	42.4	100.0	100.0	11.3	11.4	99.1	94.2	101	103	98.0	96.2
S3		6.1				41.1				41.8				11.4				110		
T3	6.5	6.4	101.6	118.2	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.2	11.2	100.0	93.3	102	104	98.1	97.1
U3	5.7	5.0	114.0	103.6	41.5	41.9	99.0	99.5	42.5	43.2	98.4	100.2	10.9	10.7	101.9	90.8	101	104	97.1	96.2
V3	5.9	6.0	98.3	107.3	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5					102	101	101.0	97.1
W3	6.2	6.4	96.9	112.7	41.6	41.6	100.0	99.8	42.3	42.2	100.2	99.8	11.1	11.3	98.2	92.5	109	111	98.2	103.8
X3	5.5	5.4	101.8	100.0	41.1	41.3	99.5	98.6	42.1	42.4	99.3	99.3	13.1	13.3	98.5	109.2	98	97	101.0	93.3
Y3	5.4	5.3	101.9	98.2	41.6	42.0	99.0	99.8	42.7	43.1	99.1	100.7	12.4	12.2	101.6	103.3	103	104	99.0	98.1
Z3	5.6	5.9	94.9	101.8	41.4	41.6	99.5	99.3	42.4	42.4	100.0	100.0	11.7	11.6	100.9	97.5	106	107	99.1	101.0
B4	6.0	6.6	90.9	109.1	41.7	41.8	99.8	100.0	42.5	42.4	100.2	100.2	11.6	12.0	96.7	96.7	113	112	100.9	107.6
D4	6.1	6.0	101.7	110.9	41.0	41.8	98.1	98.3	41.7	42.6	97.9	98.3	11.5	11.8	97.4	95.8	100	103	97.1	95.2
E4	5.9	5.8	101.7	107.3	42.1	41.6	101.2	101.0	43.0	42.6	100.9	101.4	12.5	12.2	102.4	104.2	99	100	99.0	94.3
H4	4.0	3.8	105.3	72.7	42.6	41.6	102.4	102.2	43.0	42.0	102.4	101.4	13.5	12.8	105.5	112.5	98	102	96.1	93.3
L4	5.7	5.9	96.6	103.6	40.9	40.9	100.0	98.1	41.8	41.8	100.0	98.6	12.2	12.2	100.0	101.7	101	105	96.2	96.2
R4		3.7				41.3				43.2				12.4				108		
T4		6.4				42.0				42.1				11.8				105		
U4	6.6	6.5	101.5	120.0	41.5	41.5	100.0	99.5	42.0	42.0	100.0	99.0	12.3	11.9	103.4	102.5	99	100	99.0	94.3
FKBG DATA																				
CUR. AV.	5.6				41.7				42.4				12.0				104			
CUR. AV.	5.5				41.7				42.4				12.0				105			
IND. *D	101.8				100.0				100.0				100.0				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.5			118.2	41.8			100.2	41.9			98.8	11.8			98.3	103			98.1
B1	6.8	7.0	97.1	123.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.3	11.4	107.9	102.5	104	106	98.1	99.0
D1		5.2				42.5				42.9				11.6				108		
E1	4.0	4.8	83.3	72.7	41.1	41.2	99.8	98.6	42.8	42.6	100.5	100.9	11.8	12.3	95.9	98.3	103	105	98.1	98.1
I1		6.4				42.3				42.7				11.8				119		
K1	6.0	5.6	107.1	109.1	41.5	41.4	100.2	99.5	42.3	42.4	99.8	99.8	12.3	12.2	100.8	102.5	104	105	99.0	99.0
P1		5.4				42.5				42.6				12.1				103		
N1	5.4	5.8	93.1	98.2	42.1	42.2	99.8	101.0	42.5	42.6	99.8	100.2	11.8	12.0	98.3	98.3	105	108	97.2	100.0
P1	5.4	5.4	100.0	98.2	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	12.0	12.0	100.0	100.0	105	105	100.0	100.0
Q1		3.2				40.9				42.9				11.6				108		
S1	6.7	6.6	101.5	121.8	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.9	11.4	104.4	99.2	106	104	101.9	101.0
X1		5.9				41.9				42.0				12.3				108		
B2	5.6	5.5	101.8	101.8	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.5	12.4	100.8	104.2	108	107	100.9	102.8
C2	5.2	5.6	92.8	94.5	41.3	41.4	99.8	99.0	42.5	42.4	100.2	100.2	12.7	12.3	103.2	105.8	107	105	101.9	101.9
D2	5.6	5.8	96.6	101.8	41.3	41.4	99.8	99.0	42.3	42.3	100.0	99.8	11.4	12.0	95.0	95.0	103	102	101.0	98.1
G2	4.8	4.8	100.0	87.3	40.8	40.8	100.0	97.8	42.2	42.1	100.2	99.5	12.1	12.2	99.2	100.8	113	112	100.9	107.6
H2		5.3				41.1				42.3				12.9				108		
I2	5.7	5.3	107.5	103.6	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.0	12.2	12.1	100.8	101.7	105	104	101.0	100.0
J2	4.8	4.9	98.0	87.3	40.9	41.3	99.0	98.1	42.2	42.6	99.1	99.5	11.7	11.8	99.2	97.5	113	110	102.7	107.6
L2		5.0				41.6				42.8				11.7				110		
M2	5.8	5.5	105.4	105.4	41.4	41.5	99.8	99.3	42.3	42.5	99.5	99.8	11.9	11.8	100.8	99.2	100	101	99.0	95.2
O2		6.0				42.2				42.6				11.6				103		
P2	5.5	5.4	101.8	100.0	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	12.3	12.3	100.0	102.5	101	103	98.0	96.2
S2		5.8				41.7				42.6				12.1				108		
W2	6.1	5.7	107.0	110.9	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	11.7	11.8	99.2	97.5	105	104	101.0	100.0
Y2	5.2	5.3	98.1	94.5	41.2	41.8	98.6	98.8	42.4	42.9	98.8	100.0	11.5	10.6	108.5	95.8	105	104	101.0	100.0
B3	5.3	5.2	101.9	96.4	41.7	41.4	100.7	100.0	42.8	42.6	100.5	100.9	12.0	11.7	102.6	100.0	109	109	100.0	103.8
C3	4.8	4.8	100.0	87.3	41.5	41.5	100.0	99.5	42.9	42.9	100.0	101.2	10.9	11.2	97.3	90.8	107	105	101.9	101.9
D3	5.2	5.4	96.3	94.5	41.5	41.6	99.8	99.5	42.7	42.7	100.0	100.7	12.2	12.4	98.4	101.7	101	100	101.0	96.2
F3	5.3	5.6	94.6	96.4	41.4	41.5	99.8	99.3	42.5	42.5	100.0	100.2	13.2	13.2	100.0	110.0	101	101	100.0	96.2
G3	5.2	5.5	94.5	94.5	42.3	42.6	99.3	101.4	42.4	42.7	99.3	100.0	11.8	11.8	100.0	98.3	106	104	101.9	101.0
I3		5.9				42.1				42.2				13.4				102		
Q3	5.9	5.8	101.7	107.3	42.2	42.1	100.2	101.2	42.3	42.2	100.2	99.8	11.8	11.5	102.6	98.3	104	107	97.2	99.0
R3	6.0	5.9	101.7	109.1	41.5	41.5	100.0	99.5	42.3	42.4	99.8	99.8	11.2	11.4	98.2	93.3	103	103	100.0	98.1
S3		6.1				41.0				41.8				11.5				110		
T3	6.3	6.4	98.4	114.5	42.2	42.1	100.2	101.2	42.3	42.2	100.2	99.8	11.2	11.2	100.0	93.3	104	104	100.0	99.0
U3	5.4	5.1	105.9	98.2	41.3	41.8	98.8	99.0	42.4	43.1	98.4	100.0	11.0	10.8	101.8	91.7	106	104	101.9	101.0
W3	5.9	6.0	98.3	107.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					101	101	100.0	96.2
W3	6.2	6.4	96.9	112.7	41.4	41.6	99.5	99.3	42.1	42.2	99.8	99.3	11.2	11.2	100.0	93.3	111	111	100.0	105.7
X3	5.3	5.3	100.0	96.4	41.4	41.2	100.5	99.3	42.5	42.3	100.5	100.2	13.0	13.2	98.5	108.3	97	97	100.0	92.4
Y3	5.9	5.3	111.3	107.3	41.5	41.9	99.0	99.5	42.4	43.0	98.6	100.0	11.9	12.2	97.5	99.2	103	104	99.0	98.1
Z3	5.8	5.8	100.0	105.4	41.4	41.5	99.8	99.3	42.3	42.4	99.8	99.8	11.9	11.6	102.6	99.2	106	107	99.1	101.0
B4	6.5	6.5	100.0	118.2	41.8	41.8	100.0	100.2	42.4	42.4	100.0	100.0	11.7	12.0	97.5	97.5	110	112	98.2	104.8
D4	6.1	6.0	101.7	110.9	41.5	41.6	99.8	99.5	42.2	42.4	99.5	99.5	11.7	11.8	99.2	97.5	101	102	99.0	96.2
E4	5.9	5.8	101.7	107.3	42.1	41.7	101.0	101.0	43.0	42.6	100.9	101.4	12.5	12.3	101.6	104.2	100	100	100.0	95.2
H4	3.5	3.8	92.1	63.6	41.8	41.7	100.2	100.2	42.2	42.1	100.2	99.5	13.0	12.9	100.8	108.3	98	102	96.1	93.3
L4	5.6	5.9	94.9	101.8	40.8	40.9	99.8	97.8	41.8	41.8	100.0	98.6	12.2	12.2	100.0	101.7	102	105	97.1	97.1
R4		3.8				41.4				43.2				12.4				109		
T4	5.9	6.4	92.2	107.3	42.2	42.0	100.5	101.2	42.3	42.1	100.5	99.8	11.6	11.8	98.3	96.7	103	106	97.2	98.1
U4	6.6	6.5	101.5	120.0	41.5	41.5	100.0	99.5	42.0	42.0	100.0	99.0	12.2	12.0	101.7	101.7	99	100	99.0	94.3
FKBG DATA																				
CUR. AV.	5.6				41.6				42.3				11.9				104			
CUM. AV.	5.5				41.7				42.4				12.0				105			
IND. *D	101.8				99.8				99.8				99.2				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.5	6.5	100.0	116.2	42.0	41.8	100.5	100.7	42.1	41.9	100.5	99.3	11.6	11.8	98.3	96.7	110	103	106.8	104.8
B1		6.9				42.0				42.1				11.7				106		
D1		5.2				42.5				42.9				11.6				108		
E1	3.9	4.7	83.0	70.9	41.1	41.2	99.8	98.6	42.8	42.6	100.5	100.9	11.4	12.3	92.7	95.0	108	104	103.8	102.8
I1		6.5				42.4				42.8				11.9				118		
K1	5.6	5.6	100.0	101.8	41.4	41.4	100.0	99.3	42.4	42.4	100.0	100.0	12.3	12.3	100.0	102.5	105	105	100.0	100.0
M1	5.6	5.4	103.7	101.8	42.0	42.4	99.0	100.7	42.1	42.5	99.0	99.3	11.9	12.0	99.2	99.2	105	104	101.0	100.0
N1	5.2	5.7	91.2	94.5	42.2	42.2	100.0	101.2	42.6	42.6	100.0	100.5	11.9	12.0	99.2	99.2	104	108	96.3	99.0
P1	5.5	5.4	101.8	100.0	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	11.3	12.0	94.2	94.2	106	105	101.0	101.0
Q1		3.2				40.8				42.9				11.6				108		
S1	6.6	6.5	101.5	120.0	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.7	11.4	102.6	97.5	105	104	101.0	100.0
X1	5.8	5.8	100.0	105.4	41.9	41.9	100.0	100.5	42.0	42.0	100.0	99.0	12.6	12.3	102.4	105.0	108	108	100.0	102.8
B2	5.3	5.5	96.4	96.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.6	12.4	101.6	105.0	109	107	101.9	103.8
C2	5.3	5.5	96.4	96.4	41.3	41.4	99.8	99.0	42.4	42.4	100.0	100.0	12.0	12.4	96.8	100.0	107	105	101.9	101.9
D2	5.5	5.8	94.8	100.0	41.3	41.4	99.8	99.0	42.3	42.3	100.0	99.8	11.8	11.9	99.2	98.3	101	102	99.0	96.2
G2	4.9	4.8	102.1	89.1	40.8	40.8	100.0	97.8	42.1	42.1	100.0	99.3	11.8	12.2	96.7	98.3	115	112	102.7	109.5
H2		5.2				41.2				42.4				12.9				108		
I2	5.8	5.4	107.4	105.4	42.5	42.2	100.7	101.9	42.6	42.3	100.7	100.5	11.6	12.1	95.9	96.7	104	104	100.0	99.0
J2	4.6	4.9	93.9	83.6	41.2	41.2	100.0	98.8	42.6	42.5	100.2	100.5	11.7	11.8	99.2	97.5	111	111	100.0	105.7
L2		5.0				41.6				42.8				11.7				110		
M2	6.0	5.5	109.1	109.1	41.5	41.5	100.0	99.5	42.3	42.5	99.5	99.8	11.8	11.8	100.0	98.3	101	101	100.0	96.2
O2		6.1				42.2				42.6				11.8				103		
P2	5.3	5.4	98.1	96.4	41.4	41.5	99.8	99.3	42.5	42.6	99.8	100.2	12.3	12.3	100.0	102.5	101	102	99.0	96.2
S2	4.8	5.7	84.2	87.3	40.9	41.6	98.5	98.1	42.2	42.6	99.1	99.5	11.0	12.1	90.9	91.7	107	108	99.1	101.9
W2	6.3	5.8	108.6	114.5	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	12.1	11.8	102.5	100.8	104	104	100.0	99.0
Y2	5.1	5.3	96.2	92.7	41.1	41.7	98.6	98.6	42.3	42.8	98.8	99.8	11.3	10.6	106.6	94.2	103	104	99.0	98.1
B3	5.5	5.2	105.8	100.0	41.8	41.4	101.0	100.2	42.8	42.6	100.5	100.9	10.7	11.6	92.2	89.2	109	109	100.0	103.8
C3	4.8	4.7	102.1	87.3	41.6	41.5	100.2	99.8	43.0	42.9	100.2	101.4	11.3	11.2	100.9	94.2	109	106	102.8	103.8
D3	5.4	5.4	100.0	98.2	41.4	41.5	99.8	99.3	42.5	42.6	99.8	100.2	12.2	12.4	98.4	101.7	101	100	101.0	96.2
F3	5.6	5.5	101.8	101.8	41.5	41.5	100.0	99.5	42.5	42.5	100.0	100.2	13.1	13.3	98.5	109.2	104	101	103.0	99.0
G3	5.4	5.5	98.2	98.2	42.4	42.5	99.8	101.7	42.5	42.6	99.8	100.2	11.9	11.8	100.8	99.2	104	104	100.0	99.0
I3		5.9				42.1				42.2				13.4				103		
O3	6.1	5.8	105.2	110.9	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.3	11.5	98.3	94.2	104	106	98.1	99.0
R3	5.7	5.9	96.6	103.6	41.3	41.5	99.5	99.0	42.2	42.4	99.5	99.5	11.3	11.4	99.1	94.2	102	103	99.0	97.1
S3		6.1				41.1				41.8				11.6				109		
T3	6.1	6.4	95.3	110.9	42.2	42.1	100.2	101.2	42.3	42.2	100.2	99.8	11.2	11.2	100.0	93.3	110	104	105.8	104.8
U3	5.5	5.2	105.8	100.0	41.4	41.8	99.0	99.3	42.4	43.0	98.6	100.9	10.8	10.8	100.0	90.0	103	104	99.0	98.1
V3	5.9	6.0	98.3	107.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					101	101	100.0	96.2
W3	5.7	6.4	89.1	103.6	41.4	41.6	99.5	99.3	42.4	42.2	100.5	100.0	11.5	11.2	102.7	95.8	106	111	95.5	101.0
X3	5.5	5.4	101.8	100.0	41.4	41.2	100.5	99.3	42.4	42.3	100.2	100.0	13.0	13.2	98.5	108.3	97	97	100.0	92.4
Y3	5.8	5.4	107.4	105.4	41.5	41.8	99.3	99.5	42.4	43.0	98.6	100.0	12.0	12.2	98.4	100.0	101	104	97.1	96.2
Z3	5.8	5.8	100.0	105.4	41.4	41.5	99.8	99.3	42.3	42.4	99.8	99.8	11.8	11.6	101.7	98.3	107	107	100.0	101.9
B4	5.9	6.5	90.8	107.3	41.7	41.9	99.5	100.0	42.6	42.4	100.5	100.5	12.4	12.0	103.3	103.3	112	112	100.0	106.7
D4	5.9	6.0	98.3	107.3	41.6	41.6	100.0	99.8	42.5	42.4	100.2	100.2	11.6	11.8	98.3	96.7	102	102	100.0	97.1
E4	5.9	5.8	101.7	107.3	41.8	41.7	100.2	100.2	42.7	42.6	100.2	100.7	12.4	12.3	100.8	103.3	99	100	99.0	94.3
H4	3.2	3.8	84.2	58.2	41.3	41.7	99.0	99.0	41.7	42.1	99.0	98.3	12.7	12.9	98.4	105.8	98	102	96.1	93.3
L4	5.5	5.9	93.2	100.0	40.8	40.9	99.8	97.8	41.8	41.8	100.0	98.6	12.6	12.2	103.3	105.0	104	104	100.0	99.0
Q4		3.2				41.2				43.3				12.1				112		
T4	5.9	6.2	95.2	107.3	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	11.8	11.7	100.8	98.3	106	104	101.9	101.0
U4	6.6	6.5	101.5	120.0	41.5	41.5	100.0	99.5	42.0	42.0	100.0	99.0	12.2	12.0	101.7	101.7	99	100	99.0	94.3
FKBC DATA																				
CUR. AV.	5.5				41.6				42.3				11.8				105			
CUM. AV.	5.5				41.7				42.4				12.0				105			
IND. *D	100.0				99.8				99.8				98.3				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.1	6.5	93.8	100.0	69.4	69.4	100.0	101.3	70.0	70.0	100.0	100.7	19.3	19.4	99.5	98.5	149	144	103.5	104.9
E1	4.9	5.4	90.7	89.3	67.5	67.9	99.4	98.5	69.6	69.7	99.8	100.1	18.9	19.6	96.4	96.4	138	138	100.0	97.2
I1		6.6				69.1				69.7				18.0				175		
K1	6.3	6.0	105.0	103.3	68.4	68.3	100.1	99.8	69.5	69.7	99.7	100.0	20.3	20.4	99.5	103.6	137	140	97.8	96.5
N1	5.4	5.7	94.7	88.5	69.6	69.5	100.1	101.6	70.2	70.1	100.1	101.0	21.4	20.6	103.9	109.2	135	141	95.7	95.1
P1	5.0	6.1	82.0	82.0	69.2	69.0	100.3	101.0	69.5	69.3	100.3	100.0	18.9	19.4	97.4	96.4	140	140	100.0	98.6
Q1		4.0				67.7				70.5				19.8				145		
X1		5.9				69.0				69.2				19.9				162		
B2	5.7	5.7	100.0	93.4	69.2	69.3	99.8	101.0	69.4	69.5	99.8	99.8	20.5	20.3	101.0	104.6	142	141	100.7	100.0
D2	6.9	6.6	104.5	113.1	68.6	68.5	100.1	100.1	69.3	69.4	99.8	99.7	19.1	20.2	94.6	97.4	135	136	99.3	95.1
G2	4.9	4.8	102.1	80.3	67.2	67.2	100.0	98.1	69.3	69.4	99.8	99.7	19.4	20.4	95.1	99.0	151	149	101.3	106.3
I2	6.7	6.6	101.5	109.8	69.2	69.0	100.3	101.0	69.4	69.2	100.3	99.8	18.1	18.5	97.8	92.3	141	138	102.2	99.3
K2	5.9	5.7	103.5	96.7	69.4	68.1	101.9	101.3	70.9	69.7	101.7	102.0	18.9	19.0	99.5	96.4	148	143	103.5	104.2
L2		5.9				67.9				69.3				19.6				146		
O2		5.9				69.0				69.6				20.0				149		
P2		6.3				68.5				69.6				18.8				141		
S2	6.3	6.2	101.6	103.3	68.4	68.4	100.0	99.8	69.5	69.6	99.8	100.0	21.1	20.7	101.9	107.6	140	140	100.0	98.6
X2		6.2				69.8				70.4				18.4				145		
B3	6.1	6.1	100.0	100.0	68.7	68.7	100.0	100.3	69.9	70.0	99.8	100.6	20.3	19.5	104.1	103.6	143	143	100.0	100.7
C3	6.9	7.0	98.6	113.1	68.3	68.4	99.8	99.7	69.0	69.0	100.0	99.3	18.3	18.5	98.9	93.4	146	142	102.8	102.8
G3	5.5	6.1	90.2	90.2	69.6	69.5	100.1	101.6	69.8	69.7	100.1	100.4	19.5	19.8	98.5	99.5	136	136	100.0	95.8
I3		6.1				69.0				69.2				21.8				142		
O3	6.6	6.5	101.5	108.2	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.6	18.9	18.2	103.8	96.4	151	146	103.4	106.3
R3	7.0	6.7	104.5	114.8	68.6	68.6	100.0	100.1	69.2	69.4	99.7	99.6	19.3	19.4	99.5	98.5	137	138	99.3	96.5
S3	6.5	6.5	100.0	106.6	67.9	67.8	100.1	99.1	68.9	68.7	100.3	99.1	19.8	19.3	102.6	101.0	137	142	96.5	96.5
T3	7.7	7.7	100.0	126.2	69.1	69.0	100.1	100.9	69.3	69.2	100.1	99.7	18.9	19.0	99.5	96.4	137	136	100.7	96.5
U3	6.0	6.1	98.4	98.4	68.1	68.8	99.0	99.4	69.5	70.1	99.1	100.0	17.9	17.6	101.7	91.3	137	136	100.7	96.5
V3		6.1				68.9				69.1				19.2				139		
W3	6.8	7.1	95.8	111.5	68.8	68.9	99.8	100.4	69.6	69.4	100.3	100.1	18.2	18.7	97.3	92.8	150	153	98.0	105.6
Y3	5.8	5.4	107.4	95.1	68.2	68.9	99.0	99.6	69.7	70.7	98.6	100.3	21.5	20.9	102.9	109.7	133	139	95.7	93.7
Z3		6.0				68.3				69.6				20.5				141		
B4	7.2	7.0	102.8	118.0	69.0	68.9	100.1	100.7	69.4	69.5	99.8	99.8	19.0	19.6	96.9	96.9	140	143	97.9	98.6
D4	7.1	6.8	104.4	116.4	68.2	68.6	99.4	99.6	68.7	69.4	99.0	98.8	18.7	19.2	97.4	95.4	138	139	99.3	97.2
E4	6.9	6.9	100.0	113.1	69.1	68.9	100.3	100.9	69.8	69.6	100.3	100.4	19.7	19.3	102.1	100.5	138	138	100.0	97.2
H4	5.1	4.7	108.5	83.6	68.5	67.1	102.1	100.0	69.1	67.7	102.1	99.4	21.9	21.0	104.3	111.7	140	143	97.9	98.6
L4	5.2	6.3	82.5	85.2	68.0	67.6	100.6	99.3	69.9	68.7	101.7	100.6	20.5	21.0	97.6	104.6	132	138	95.6	93.0
R4		4.3				67.8				70.4				21.4				143		
U4		7.2				68.5				69.0				20.5				137		
FKBG DATA																				
CUR. AV.	6.2				68.7				69.5				19.6				140			
CUM. AV.	6.1				68.5				69.5				19.6				142			
IND. *D	101.6				100.3				100.0				100.0				98.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	5.9	6.4	92.2	96.7	69.5	69.4	100.1	101.4	70.1	70.0	100.1	101.0	19.1	19.4	98.4	97.4	145	145	100.0	102.1
E1	4.2	5.4	77.8	68.8	67.6	67.9	99.6	98.7	70.2	69.7	100.7	101.2	18.9	19.6	96.4	96.4	136	138	98.6	95.8
I1		6.6				69.1				69.7				18.0				176		
K1	6.2	6.0	103.3	101.6	68.3	68.3	100.0	99.7	69.5	69.6	99.8	100.1	20.1	20.4	98.5	102.6	141	140	100.7	99.3
N1		5.6				69.5				70.1				20.8				139		
P1	5.3	6.0	88.3	86.9	69.0	69.1	99.8	100.7	69.3	69.4	99.8	99.8	19.6	19.4	101.0	100.0	142	140	101.4	100.0
Q1		4.0				67.7				70.5				19.8				145		
X1		5.9				69.0				69.2				19.9				162		
B2	5.9	5.7	103.5	96.7	69.3	69.3	100.0	101.2	69.5	69.5	100.0	100.1	20.6	20.3	101.5	105.1	139	141	98.6	97.9
D2	6.7	6.6	101.5	109.8	68.7	68.5	100.3	100.3	69.5	69.4	100.1	100.1	19.4	20.0	97.0	99.0	136	136	100.0	95.8
G2	4.8	4.8	100.0	78.7	67.1	67.1	100.0	98.0	69.3	69.3	100.0	99.8	20.5	20.3	101.0	104.6	157	150	104.7	110.6
I2	6.6	6.6	100.0	108.2	69.5	69.1	100.6	101.4	69.7	69.3	100.6	100.4	18.6	18.5	100.5	94.9	150	139	107.9	105.6
K2	5.7	5.6	101.8	93.4	69.3	68.2	101.6	101.2	70.9	69.8	101.6	102.2	19.4	19.0	102.1	99.0	146	144	101.4	102.8
L2	5.4	5.9	91.5	88.5	68.3	67.9	100.6	99.7	70.0	69.3	101.0	100.9	19.5	19.6	99.5	99.5	149	146	102.0	104.9
P2	6.0	6.3	95.2	98.4	68.2	68.5	99.6	99.6	69.6	69.6	100.0	100.3	19.9	18.8	105.8	101.5	137	142	96.5	96.5
S2		6.2				68.4				69.6				20.8				140		
X2		6.2				69.8				70.4				18.4				165		
B3		6.1				68.7				70.0				19.7				143		
C3	6.9	7.0	98.6	113.1	68.4	68.3	100.1	99.8	69.1	69.0	100.1	99.6	18.6	18.5	100.5	94.9	146	142	102.8	102.8
G3	6.0	6.0	100.0	98.4	69.4	69.5	99.8	101.3	69.6	69.7	99.8	100.3	19.7	19.7	100.0	100.5	137	136	100.7	96.5
I3		6.1				69.0				69.2				21.8				142		
O3	5.9	6.5	90.8	96.7	69.2	69.0	100.3	101.0	69.4	69.2	100.3	100.0	18.9	18.3	103.3	96.4	151	146	103.4	106.3
R3	7.0	6.8	102.9	114.8	68.9	68.6	100.4	100.6	69.5	69.4	100.1	100.1	18.7	19.4	96.4	95.4	141	138	102.2	99.3
S3	6.5	6.5	100.0	106.6	68.1	67.8	100.4	99.4	69.1	68.7	100.6	99.6	20.1	19.3	104.1	102.6	141	141	100.0	99.3
T3	7.4	7.7	96.1	121.3	69.2	69.0	100.3	101.0	69.4	69.2	100.3	100.0	19.0	18.9	100.5	96.9	137	136	100.7	96.5
U3	6.1	6.1	100.0	100.0	68.3	68.7	99.4	99.7	69.5	70.0	99.3	100.1	17.9	17.6	101.7	91.3	139	136	102.2	97.9
V3		6.2				69.0				69.2								138		
W3	6.6	7.1	93.0	108.2	68.6	68.9	99.6	100.1	69.5	69.4	100.1	100.1	18.6	18.7	99.5	94.9	154	152	101.3	108.4
Y3	6.3	5.4	116.7	103.3	68.3	68.8	99.3	99.7	69.4	70.6	98.3	100.0	20.4	21.0	97.1	104.1	135	138	97.8	95.1
Z3	6.3	6.0	105.0	103.3	68.5	68.3	100.3	100.0	69.6	69.6	100.0	100.3	19.6	20.5	95.6	100.0	139	141	98.6	97.9
B4	7.2	7.0	102.8	118.0	69.1	68.9	100.3	100.9	69.5	69.5	100.0	100.1	20.2	19.5	103.6	103.1	139	143	97.2	97.9
D4	6.8	6.8	100.0	111.5	68.7	68.6	100.1	100.3	69.5	69.3	100.3	100.1	18.9	19.2	98.4	96.4	137	139	98.6	96.5
E4	6.9	6.9	100.0	113.1	69.0	68.9	100.1	100.7	69.7	69.6	100.1	100.4	19.3	19.4	99.5	98.5	139	139	100.0	97.9
H4	4.6	4.8	95.8	75.4	68.2	67.2	101.5	99.6	68.8	67.8	101.5	99.1	21.5	21.2	101.4	109.7	138	142	97.2	97.2
L4	6.3	6.2	101.6	103.3	67.5	67.6	99.8	98.5	68.6	68.8	99.7	98.8	21.3	20.9	101.9	108.7	137	136	100.7	96.5
R4		4.0				67.8				70.6				21.7				144		
U4		7.2				68.5				69.0				20.5				137		
FKBG DATA																				
CUR. AV.	6.1				68.6				69.5				19.6				142			
CUR. AV. IND.	6.1				68.5				69.4				19.6				142			
*D	100.0				100.1				100.1				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.0	6.4	93.8	98.4	69.4	69.4	100.0	101.3	70.0	70.0	100.0	100.9	19.2	19.4	99.0	98.0	144	145	99.3	101.4
E1	4.6	5.2	88.5	75.4	67.6	67.8	99.7	98.7	70.0	69.7	100.4	100.9	18.5	19.5	94.9	94.4	138	138	100.0	97.2
I1		6.6				69.0				69.6				17.9				173		
K1	6.0	6.1	98.4	98.4	68.3	68.3	100.0	99.7	69.7	69.6	100.1	100.4	20.4	20.4	100.0	104.1	139	140	99.3	97.9
N1		5.6				69.5				70.1				20.9				138		
P1	6.2	6.0	103.3	101.6	69.0	69.1	99.8	100.7	69.3	69.4	99.8	99.8	19.6	19.5	100.5	100.0	143	140	102.1	100.7
Q1		4.0				67.7				70.5				19.8				145		
X1		5.9				69.0				69.2				19.9				162		
B2	6.1	5.8	105.2	100.0	69.4	69.3	100.1	101.3	69.6	69.5	100.1	100.3	20.8	20.4	102.0	106.1	137	140	97.8	96.5
O2		6.6				68.5				69.4				19.9				136		
G2	4.8	4.8	100.0	78.7	66.4	67.1	99.0	96.9	68.6	69.3	99.0	98.8	20.2	20.2	100.0	103.1	151	151	100.0	106.3
I2		6.6				69.1				69.3				18.6				140		
K2	6.0	5.6	107.1	98.4	68.8	68.3	100.7	100.4	70.2	69.9	100.4	101.2	19.5	19.0	102.6	99.5	143	144	99.3	100.7
L2		5.9				68.0				69.4				19.6				147		
P2	6.2	6.2	100.0	101.6	68.4	68.4	100.0	99.8	69.6	69.6	100.0	100.3	19.8	19.0	104.2	101.0	136	140	97.1	95.8
S2	6.2	6.2	100.0	101.6	68.6	68.4	100.3	100.1	69.8	69.6	100.3	100.6	19.6	20.7	94.7	100.0	143	140	102.1	100.7
X2		6.2				69.8				70.4				18.4				145		
B3		6.1				68.7				70.0				19.7				143		
C3	6.6	7.0	94.3	108.2	68.4	68.4	100.0	99.8	69.3	69.0	100.4	99.8	18.0	18.4	97.8	91.8	148	143	103.5	104.2
G3	5.7	6.0	95.0	93.4	69.9	69.4	100.7	102.0	70.1	69.6	100.7	101.0	20.1	19.6	102.6	102.6	138	136	101.5	97.2
I3		6.1				69.0				69.2				21.8				143		
O3	6.1	6.5	93.8	100.0	68.8	69.0	99.7	100.4	69.0	69.2	99.7	99.4		18.3			148	146	101.4	104.2
R3	6.8	6.8	100.0	111.5	68.6	68.6	100.0	100.1	69.4	69.4	100.0	100.0	18.7	19.3	96.9	95.4	143	138	103.6	100.7
S3	6.5	6.5	100.0	106.6	67.9	67.9	100.0	99.1	68.9	68.7	100.3	99.3	19.8	19.4	102.1	101.0	141	141	100.0	99.3
T3	7.1	7.7	92.2	116.4	69.1	69.0	100.1	100.9	69.3	69.2	100.1	99.8	18.8	18.8	100.0	95.9	142	136	104.4	100.0
U3	5.7	6.0	95.0	93.4	67.9	68.6	99.0	99.1	69.5	69.9	99.4	100.1	17.5	17.6	99.4	89.3	135	136	99.3	95.1
V3		6.2				69.0				69.2								138		
W3	6.6	7.0	94.3	108.2	68.4	68.8	99.4	99.8	69.3	69.4	99.8	99.8	18.3	18.7	97.9	93.4	151	153	98.7	106.3
Y3	6.3	5.5	114.5	103.3	68.3	68.8	99.3	99.7	69.4	70.5	98.4	100.0	20.7	21.0	98.6	105.6	134	138	97.1	94.4
Z3	6.2	6.1	101.6	101.6	68.3	68.4	99.8	99.7	69.5	69.7	99.7	100.1	19.5	20.2	96.5	99.5	140	140	100.0	98.6
B4	6.7	7.0	95.7	109.8	69.1	68.9	100.3	100.9	69.9	69.5	100.6	100.7	20.4	19.6	104.1	104.1	116	142	81.7	81.7
D4	6.8	6.9	98.6	111.5	69.0	68.6	100.6	100.7	69.8	69.2	100.9	100.6	19.2	19.2	100.0	98.0	137	139	98.6	96.5
E4	6.9	6.9	100.0	113.1	69.2	68.9	100.4	101.0	69.9	69.6	100.4	100.7	19.5	19.4	100.5	99.5	136	139	97.8	95.8
H4	4.2	4.8	87.5	68.8	67.7	67.3	100.6	98.8	68.3	67.9	100.6	98.4	20.8	21.2	98.1	106.1	144	142	101.4	101.4
L4	6.0	6.2	96.8	98.4	67.7	67.6	100.1	98.8	69.1	68.8	100.4	99.6	20.7	20.9	99.0	105.6	137	136	100.7	96.5
R4		3.5				67.5				70.7				22.4				142		
U4		7.2				68.5				69.0				20.5				137		

FKBG DATA				
CUR. AV.	6.1	68.5	69.5	19.5	140
CUM. AV.	6.1	68.5	69.4	19.6	142
IND. *D	100.0	100.0	100.1	99.5	98.6

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.2	6.6	96.9	100.0	90.3	90.4	99.9	100.9	91.1	91.2	99.9	100.6	26.3	26.4	99.6	101.9	168	171	98.2	100.0
K1	7.2	6.3	114.3	116.1	90.4	89.3	101.2	101.0	91.0	90.7	100.3	100.4	27.5	26.8	102.6	106.6	167	167	100.0	99.4
P1		6.2				90.6				91.1				25.1				171		
B2	6.1	5.9	103.4	98.4	90.3	90.2	100.1	100.9	90.6	90.5	100.1	100.0	27.0	26.8	100.7	104.6	164	164	100.0	97.6
D2		7.2				89.7				90.3				27.2				161		
G2	4.4	4.6	95.6	71.0	87.5	87.6	99.9	97.8	90.7	90.7	100.0	100.1	26.7	27.0	98.9	103.5	166	169	98.2	98.8
I2	6.4	6.3	101.6	103.2	90.8	90.2	100.7	101.4	91.1	90.5	100.7	100.6	23.8	24.5	97.1	92.2	181	165	109.7	107.7
K2	6.2	6.3	98.4	100.0	90.2	89.1	101.2	100.8	91.7	90.5	101.3	101.2	24.6	24.5	100.4	95.3	162	163	99.4	96.4
L2		6.1				89.0				90.7				25.9				168		
P2	6.0	6.2	96.8	96.8	89.4	89.5	99.9	99.9	91.2	91.1	100.1	100.7	27.3	26.2	104.2	105.8	167	168	99.4	99.4
X2		6.4				90.0				90.8				25.4				162		
B3		7.8				89.8				89.8				26.1				162		
C3	6.9	7.1	97.2	111.3	89.5	89.3	100.2	100.0	90.4	90.0	100.4	99.8	23.9	24.0	99.6	92.6	170	172	98.8	101.2
I3		6.0				89.8				90.1				28.4				169		
Q3		6.4				90.0				90.3				23.7				165		
S3	6.4	6.5	98.5	103.2	88.9	88.8	100.1	99.3	90.2	89.8	100.4	99.6	26.1	25.5	102.4	101.2	181	176	102.8	107.7
U3	6.4	6.2	103.2	103.2	89.2	89.7	99.4	99.7	90.5	91.3	99.1	99.9	24.4	23.8	102.5	94.6	172	160	107.5	102.4
W3	7.1	7.4	95.9	114.5	89.5	89.8	99.7	100.0	90.2	90.1	100.1	99.6	23.9	23.8	100.4	92.6	193	187	103.2	114.9
Y3	6.6	6.0	110.0	106.4	89.7	90.2	99.4	100.2	90.9	92.0	98.8	100.3	26.8	27.2	98.5	103.9	164	163	100.6	97.6
R4		4.6				88.8				91.9				28.2				177		
FXBG DATA																				
CUR. AV.	6.3				89.6				90.8				25.7				171			
CUM. AV.	6.2				89.5				90.6				25.8				168			
IND. *C	101.6				100.1				100.2				99.6				101.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.4	6.4	100.0	101.6	90.6	90.3	100.3	101.2	91.4	91.1	100.3	100.9	25.4	26.4	96.2	98.4	173	171	101.2	103.0
K1	6.5	6.4	101.6	103.2	89.8	89.3	100.6	100.3	91.1	90.7	100.4	100.6	26.6	26.9	98.9	103.1	170	167	101.8	101.2
P1		6.2				90.6				91.1				25.1				171		
B2	6.3	5.9	106.8	100.0	90.1	90.2	99.9	100.7	90.4	90.6	99.8	99.8	27.0	26.9	100.4	104.6	166	163	101.8	98.8
D2		7.2				89.7				90.3				27.2				161		
G2	5.0	4.6	108.7	79.4	87.8	87.5	100.3	98.1	90.4	90.5	99.9	99.8	27.8	27.0	103.0	107.8	172	169	101.8	102.4
I2	6.8	6.3	107.9	107.9	90.6	90.2	100.4	101.2	90.9	90.5	100.4	100.3	25.1	24.4	102.9	97.3	162	166	97.6	96.4
K2	6.7	6.3	106.3	106.3	89.5	89.2	100.3	100.0	90.6	90.6	100.0	100.0	25.3	24.5	103.3	98.1	165	163	101.2	98.2
L2		6.1				89.0				90.6				26.0				169		
P2	6.1	6.2	98.4	96.8	89.5	89.5	100.0	100.0	91.1	91.1	100.0	100.6	27.1	26.4	102.6	105.0	164	168	97.6	97.6
X2		6.4				90.0				90.8				25.4				162		
B3		7.8				89.8				89.8				26.1				162		
C3	6.9	7.1	97.2	109.5	89.2	89.3	99.9	99.7	90.1	90.0	100.1	99.4	24.1	24.0	100.4	93.4	179	172	104.1	106.5
I3		6.0				89.8				90.1				28.4				169		
O3		6.4				90.0				90.3				23.7				165		
S3	6.4	6.5	98.5	101.6	88.9	88.8	100.1	99.3	90.2	89.8	100.4	99.6	25.4	25.6	99.2	98.4	179	177	101.1	106.5
U3	6.2	6.2	100.0	98.4	89.0	89.6	99.3	99.4	90.5	91.2	99.2	99.9	23.4	24.0	97.5	90.7	165	161	102.5	98.2
W3	7.1	7.4	95.9	112.7	89.6	89.7	99.9	100.1	90.3	90.1	100.2	99.7	23.7	23.8	99.6	91.9	190	188	101.1	113.1
Y3	6.6	6.0	110.0	104.8	89.2	90.1	99.0	99.7	90.4	91.9	98.4	99.8	26.7	27.1	98.5	103.5	164	163	100.6	97.6
FK8G DATA																				
CUR. AV.	6.4				89.5				90.6				25.6				171			
CUM. AV.	6.3				89.5				90.6				25.8				168			
IND. *D	101.6				100.0				100.0				99.2				101.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1981

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.0	6.4	93.8	95.2	90.5	90.4	100.1	101.1	91.3	91.2	100.1	100.8	26.4	26.4	100.0	102.3	173	171	101.2	103.0
K1	6.1	6.4	95.3	96.8	89.5	89.4	100.1	100.0	91.1	90.7	100.4	100.6	26.9	26.9	100.0	104.3	166	167	99.4	98.8
P1		6.2				90.6				91.1				25.1				171		
B2		6.0				90.2				90.5				26.9				163		
D2		7.2				89.7				90.3				27.2				161		
G2	4.9	4.6	106.5	77.8	87.6	87.5	100.1	97.9	90.3	90.5	99.8	99.7	26.3	27.0	97.4	101.9	169	170	99.4	100.6
I2		6.4				90.3				90.6				24.5				166		
K2	5.9	6.3	93.6	93.6	90.1	89.2	101.0	100.7	92.0	90.7	101.4	101.5	23.5	24.6	95.5	91.1	157	163	96.3	93.4
L2		6.1				88.9				90.5				25.9				170		
P2	6.1	6.1	100.0	96.8	89.1	89.4	99.7	99.6	90.7	91.1	99.6	100.1	26.8	26.6	100.8	103.9	166	168	98.8	98.8
X2		6.3				89.8				90.6				25.7				163		
B3		7.8				89.8				89.8				26.1				162		
C3	6.9	7.0	98.6	109.5	89.4	89.3	100.1	99.9	90.3	90.0	100.3	99.7	24.3	24.0	101.2	94.2	168	172	97.7	100.0
I3		6.0				89.8				90.1				28.3				170		
O3	5.9	6.4	92.2	93.6	89.8	90.0	99.8	100.3	90.1	90.3	99.8	99.4		23.7			170	165	103.0	101.2
S3	6.5	6.5	100.0	103.2	88.7	88.7	100.0	99.1	89.9	89.8	100.1	99.2	25.7	25.5	100.8	99.6	177	176	100.6	105.4
U3	6.6	6.2	106.4	104.8	89.3	89.5	99.8	99.8	90.5	91.1	99.3	99.9	24.3	23.9	101.7	94.2	170	162	104.9	101.2
W3	6.7	7.4	90.5	106.3	89.5	89.7	99.8	100.0	90.6	90.2	100.4	100.0	23.5	23.8	98.7	91.1	188	188	100.0	111.9
Y3	6.8	6.1	111.5	107.9	91.0	90.0	101.1	101.7	92.0	91.6	100.4	101.5	26.1	27.0	96.7	101.2	166	163	101.8	98.8
FRBG DATA																				
CUR. AV.	6.2				89.5				90.8				25.4				170			
CUM. AV.	6.3				89.5				90.6				25.8				168			
IND. *D	98.4				100.0				100.2				98.4				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XIX

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

OCTOBER, NOVEMBER, DECEMBER, 1981

Code	Conditioning Environment: Are Quality Samples Conditioned Before Testing?	Conditioning Environment: Procedure: Time	Conditioning Environment: Procedure: Temp., °F	Conditioning Environment: Procedure: RH, %	Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D1	No	--	--	--	No
E1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 5% RH
I1	No data submitted for this quarter				
K1	No	--	--	--	No
M1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
N1	No	--	--	--	No
O1	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Q1	No data submitted for this quarter				
S1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
X1	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
B2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
C2	No	--	--	--	No
D2	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
G2	No	--	--	--	No
H2	No data submitted for this quarter				
I2	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
J2	No	--	--	--	No
K2	No	--	--	--	No
L2	No	--	--	--	No
M2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
O2	No data submitted for this quarter				
P2	No	--	--	--	Yes: 73 ± 4°F; 50 ± 5% RH
S2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
W2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
X2	No data submitted for this quarter				
Y2	Yes	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
B3	No	--	--	--	No
C3	No	--	--	--	No
D3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
E3	No data submitted for this quarter				
F3	No	--	--	--	Yes: 73 ± 4°F; 50 ± 5% RH
G3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
H3	No	--	--	--	Yes: 73 ± 3.5°F, 50 ± 2% RH
I3	No data submitted for this quarter				
O3	No	--	--	--	No
R3	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
S3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
T3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U3	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
V3	No	--	--	--	No
W3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
X3	Yes	20 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
Y3	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
B4	No	--	--	--	No
D4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E4	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
H4	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
L4	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
P4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R4	No data submitted for this quarter				
S4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
T4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U4	Yes	--	--	--	No

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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)} \right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months exluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

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[a] CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b] CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.